

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
UC089.1CPC1CP1APPLICATION NO.  
09/865,291INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
Roger Y. Tsien et al.FILING DATE  
May 24, 2001GROUP  
1645**RECEIVED**

SEP 03 2002

## U.S. PATENT DOCUMENTS

TECH CENTER 1600/2900

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
RKH	1.	4,314,936	02/09/1982	Yaron et al.			
	2.	5,264,563	11/23/1993	Huse			
	3.	5,491,084	02/13/1996	Chalfie et al.			
	4.	5,599,906	02/04/1997	Dasmahapatra			
	5.	5,602,021	02/11/1997	Davis et al.			
	6.	5,605,809	02/25/1997	Komoriya et al.			
	7.	5,614,191	03/25/1997	Puri et al.			
	8.	5,625,048	04/29/1997	Tsien et al.			
	9.	5,912,137	06/15/1999	Tsien et al.			
	10.	5,981,200	11/09/1999	Tsien et al.			
	11.	5,998,204	12/07/1999	Tsien et al.			
	12.	6,197,928	03/06/2001	Tsien et al.			
RKH	13.	6,248,550	06/19/2001	Tsien et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RKH	✓	14. AU 717873	04/06/2000	Australia ✓				
	✓	15. EP 0 877 805 B1	05/06/2002	Europe ✓				
	✓	16. EP 0 428 000 A1	05/22/1991	Europe ✓				
	✓	17. WO 91/01305	02/07/1991	PCT ✓				
	✓	18. WO 94/28166	12/08/1994	PCT ✓				
	✓	19. WO 94/28173	12/08/1994	PCT ✓				
	✓	20. WO 95/07463	03/16/1995	PCT ✓				
	✓	21. WO 95/21191	08/10/1995	PCT ✓				
RKH	✓	22. WO 96/13607	05/09/1996	PCT ✓				

EXAMINER

Rachel Kapur-Hummel

DATE CONSIDERED

8/17/04

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Roger Y. Tsien et al.	GROUP 1645
		FILING DATE May 24, 2001	TECH CENTER 1600/2900

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PATENT & TRADEMARK OFFICE

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RKH	✓	23. WO 96/23810	08/08/1998	PCT ✓				
	✓	24. WO 96/23898	08/08/1998	PCT ✓				
	✓	25. WO 96/27027	09/08/1998	PCT ✓				
	✓	26. WO 96/27675	09/12/1998	PCT ✓				
	✓	27. WO 97/11094	03/27/1997	PCT ✓				
	✓	28. WO 97/28261	08/07/1997	PCT ✗				
RKH	✓	29. WO 98/40477	09/17/1998	PCT ✓				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
RKH	30.	Baird <i>et al.</i> , "Circular Permutation and Receptor Insertion within Green Fluorescent Proteins" <i>Proc. Natl. Acad. Sci., USA</i> , 96:11241-11246, 1999
	31.	Blumenthal, in "Peptides and Protein Phosphorylation" (Kemp, ed; CRC Press 1990), pages 135-143
	32.	Chalfie <i>et al.</i> , "Green Fluorescent Protein as a Marker for Gene Expression," <i>Science</i> 263:802-805 (1994)
	33.	Cubitt <i>et al.</i> , "Understanding, Improving and Using Green Fluorescent Proteins," <i>Trends In Biochemical Sciences</i> 20:448-455 (1995)
	34.	Delagrave <i>et al.</i> , "Red-Shifted Excitation Mutants of the Green Fluorescent Protein," <i>Nature Biotechnology</i> 13(2):151-154 (1995)
	35.	Ehrig <i>et al.</i> , "Green-Fluorescent Protein Mutants with Altered Fluorescence Excitation Spectra" <i>FEBS Letters</i> 367:163-166 (1995)
	36.	Geoghegan <i>et al.</i> , "Site-Directed Double Fluorescent Tagging of Human Renin and Collagenase (MMP-1) Substrate Peptides Using the Periodate Oxidation of N-Terminal Serine. An Apparently General Strategy for Provision of Energy-Transfer Substrates for Proteases" <i>Bioconjugate Chemistry</i> 4(6):537-544 (1993)
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	38.	Heim and Tsien, "Engineering Green Fluorescent Protein for Improved Brightness, Longer Wavelengths and Fluorescence Resonance Energy Transfer," <i>Current Biology</i> 6(2):178-182 (1996)
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	40.	Heim <i>et al.</i> , "Improved Green Fluorescence" <i>Nature</i> 373:663-664 (1995)
RKH	41.	Heim, "Green-Fluorescent Protein Forms for Energy Transfer" <i>Methods Enzymol.</i> , 302:408-423 (1999)

EXAMINER	Rahul Kapur-Himmelfarb	DATE CONSIDERED	8/17/04
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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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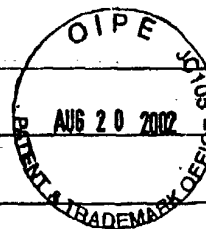
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
RH ✓	63. Confidential (i.e., non-public) communication re. Sato <i>et al.</i> manuscript draft entitled "Fluorescent indicators for imaging protein phosphorylation in single living cells," received by Applicants about, but not before, January 18, 2001. The manuscript was subsequently published in <i>Nature Biotechnology</i> , 20:287-294 (March 2002).

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EXAMINER <i>James R. Kaprielian</i>	DATE CONSIDERED 8/17/04
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